Please amend the Specification according to the following marked up paragraphs.

[0041]   If the MA 30 can download the new file structure 500 (FIG. 9) to accommodate the e-cash, it then does so 152 ~~154~~. According to this

5   embodiment, the MA then operates as a slave to the RCT Bluetooth® air modem, receiving messages and passing relevant ones to the SIM 154 ~~152~~. The data associated with loading money is transmitted over the secure data stream and the money is loaded into the SIM card 156. It is generally desirable to timestamp the transaction and update some sort of log file, then terminate the session 158.

10   It may be possible to also reverse the master-client relationship between the MA 30 and the RCT 20. The file structure 500 may support multiple purses 508.1-N (Fig. 9), and so the e-cash is loaded into the appropriate purse. In this scenario, the MA 30 operates as a slave to the RCT Bluetooth® modem 21.1 (Fig. 4A) which receives the communicated messages and passes them along to the SIM

15   40.

[0047]   Given the complexity of the encryption task, additional hardware is required in the form of cryptography engine 46, and the associated S/W to manage, dispatch, encrypt, and decrypt), and a Java Virtual Machine (JVM)™

20   522 <u>(which is a Java™ interpreter that executes the byte codes on a particular platform)</u>, including Java™ Script Interpreter <u>(JSI)</u> 524. The JVM™ 522 differs from the use of other programming languages in a microprocessor context in the sense that it enables a virtual machine. In most programming languages, the

AMENDMENT A

developer must compile the code to support an executable environment, which

doesn't provide for much flexibility if the designer would like to expand the scope

and functionality of an embedded system. In a JVM™, the complier converts the

code into something commonly referred to as Java code bytes which are then

5   sent off to the ~~Java Script Interpreter~~ (JSI [[)]] 524, which parses and runs the

~~java~~ Java™ applets. Other forms of command interpreters could be present as

well. A traditional SIM card also includes a portion for IMSI Rights Management

520 and includes some form of Common File Management and File Structure

Management 502 for the application layers 504, 506, 508.1-N, 510.1-N that refers

10   to a common file structure needed to ensure that space is effectively managed

and that all other applications can peacefully coexist.

[0054]   The Fig. 4A block diagram of an exemplary RCT 20 shows the

generic embedded microcontroller 22 running an operating system that manages

15   the on board resources, such as: a memory 28 (e.g., flash memory and SRAM),

a keyboard (or other input mechanism) 26 (by scanning and encoding user input),

~~and~~ a display 24 (by e.g., updating a screen), and a power management module

29. The I/O ports 21 are commonly referred to as modem ports that are currently

used to handle any communications payload during a typical communications

20   session. The various I/O ports 21.1-21.6 can be better thought of as the physical

hardware or modem transceivers that are used primarily to handle Bluetooth®,

WiFi®, IRDA, W-CDMA or GSM, USB, or other similar types of communications

sessions. The hardware depends on an operating system that controls the

environment and manages all of the hardware resources, partitions memory, and

controls the data traffic into and out of the device, interrupt processing, and

security and key encryption.

[0055]   As shown in the block diagram of Fig. 4B of the MA 30 that

5   comprises, e.g., the Bluetooth® transceiver 31.1 (as well as a GSM Transceiver

31.2 and a GPRS Transceiver 31.3) which are tied to the microcontroller 32. The

MA 30, just like the RCT 20, has the microcontroller 32 running an operating

system that manages the handling of a Bluetooth® communication request <u>and</u>

<u>has a memory and power management module 36</u>. The micro-controller 32

10   establishes the session, and handles the inter-processor communications needed

to transfer e-cash to the SIM 40, and complete the session.

[0067]   According to this embodiment, the game Virtual Slots is

downloaded to the MA 30 from the gaming server 74.2.   All events occur in

15   pseudo real-time. The game applet 510.1 is downloaded to the SIM card 40, and

runs on top of a ~~Java Virtual Machine (~~JVM[TM][[)]] 522 environment on the MA 30

(i.e., the game is no longer talking to the server 74.2). The only time that the

game applet 510.1 needs to access the server 74.2 is to record and request a

win payout, or to request a different game.